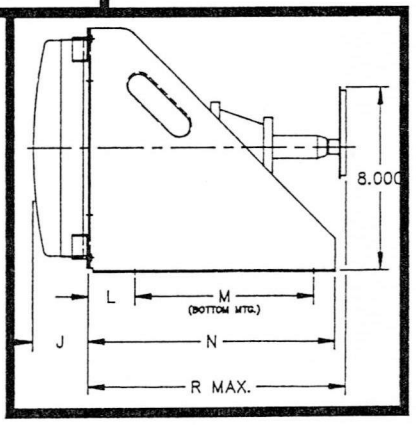
Wells-Gardner

Wells-Gardner Selection Guide



Wells-Gardner Electronics
Standard Product Matrix

Model	*CRT* *Size*	*Pitch*	*Horz. Freq.*	*Resolution (Maximum)*	*Power Input*
Monochrome					
Customiser					
WGM0503-K0AM53E	5"	N/A	31.5 KHz	600 x 400	+12V
WGM1203-K0AM05C	12"	N/A	31.5 KHz	600 x 400	+12V
Color					
K7000					
WGM1370-H0AS27C	13"	.63	15 KHz	640 x 200	120 VAC+
WGM1970-H0BS66A	19"	.71	15 KHz	640 x 200	120 VAC+
WGM1970-U2AS04A	19"	.71	15 KHz	640 x 200	120 VAC+
WGM2570-U1BS30K	25"	.84	15 KHz	640 x 200	120 VAC+
WGM2770-U0BS45E	27"	.84	15 KHz	640 x 200	120 VAC+
K7200					
WGM1372-H0AS***	13"	.63	15 KHz	640 x 200	90 - 264 VAC
WGM1772-M2BS***	17"	.71	15 KHz	640 x 200	90 - 264 VAC
WGM1972-U2AS***	19"	.71	15 KHz	640 x 200	90 - 264 VAC
U2000					
WGM2520-U4AS45D	25"	.84	15 KHz	640 x 200	90 - 264 VAC
WGM2720-U0BS66E	27"	.84	15 KHz	640 x 200	90 - 264 VAC
U3000					
WGM1430-M7AS49E	14"	.39	35.6 KHz	800 x 600	90 - 264 VAC
WGM1430-M7AS50E	14"	.28	35.6 KHz	800 x 600	90 - 264 VAC
WGM1730-M2AS15F	17"	.42	35.6 KHz	800 x 600	90 - 264 VAC
WGM1930-M2AS42E	19"	.71	35.6 KHz	800 x 600	90 - 264 VAC
WGM2530-H1AS***	25"	.84	31.5 KHz	640 x 480	90 - 264 VAC
WGM2730-H0AS36F	27"	.84	31.5 KHz	640 x 480	90 - 264 VAC
U5000					
WGM2550-U4AS63E	25"	.84	15/25 KHz	640 x 400	90 - 264 VAC
WGM2752-U0BS37F	27"	.84	15/25 KHz	640 x 400	90 - 264 VAC
M3350**	33"	1.2	15 KHz	640 x 200	90 - 264 VAC

**Available early in 1996
*** Actual model number to be assigned later in 1995
+ Isolation transformer required.

TLT tubes available upon request.
Specifications subject to change without notice.

Wells Gardner Electronics Corporation

19V Color Monitor 19–U2 *(F19M2)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
IN.	16.437	15.765	12.843	15.765	18.125	3.090	15.160	9.325	1.750	10.125	3.093	2.250	15.280	3.295
mm.	417.50	400.43	326.21	400.43	460.38	78.49	385.06	236.86	44.45	257.20	78.56	57.15	388.11	83.70

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ELECTRONICS CORPORATION

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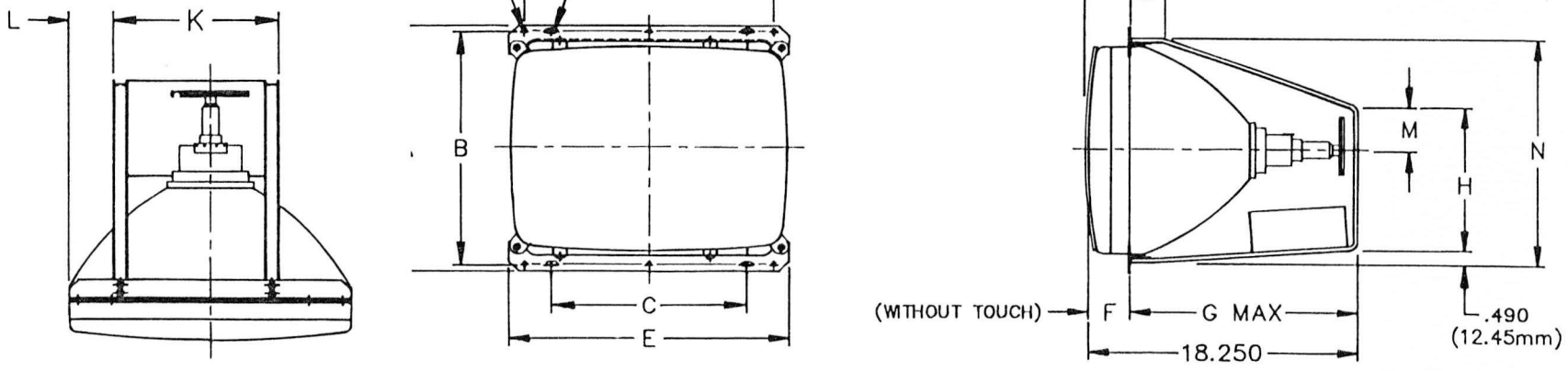

Wells Gardner Electronics Corporation

27V Color Monitor 27–U0 *(F27M)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
IN.	20.630	19.291	19.291	23.000	16.125	3.590	7.375	10.125	1.750	12.000	3.140	3.250	2.562	.343
mm.	524.0	490.0	490.0	584.2	409.58	91.19	187.33	257.18	44.45	304.8	79.76	82.55	65.07	8.71

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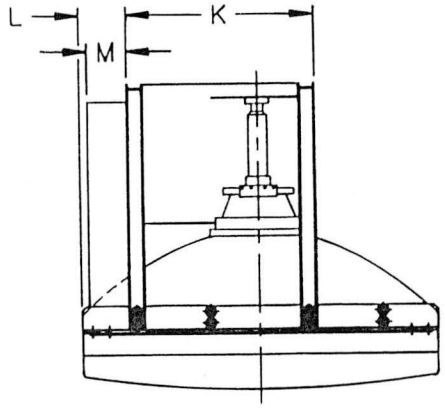

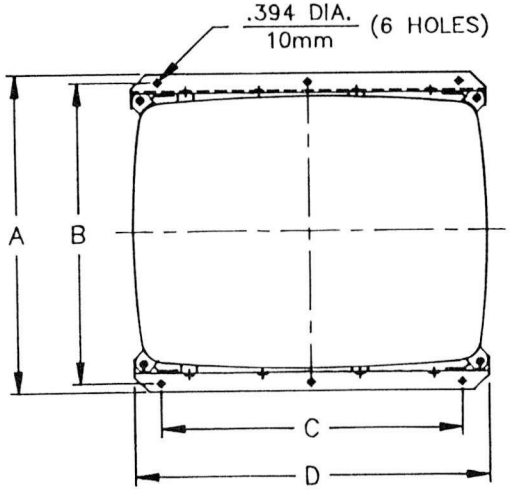

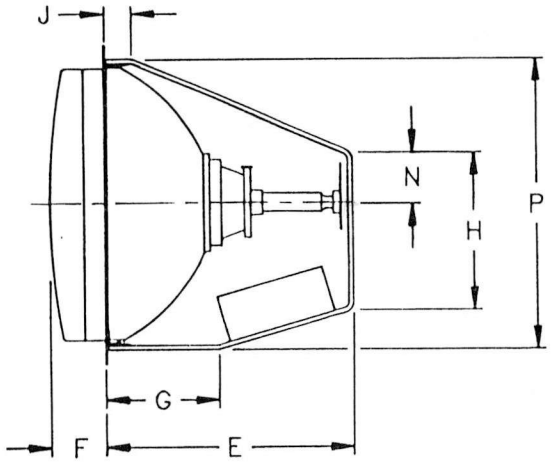

Wells Gardner Electronics Corporation

13V Color Monitor 13–H0 *(F13H)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
IN.	15.625	10.687	5.437	14.812	14.812	7.406	2.500	5.875	2.450	13.526	2.062	8.000	11.000	12.260	9.578	11.750
mm.	396.9	271.4	138.1	376.2	376.2	188.1	63.5	149.2	62.23	343.56	52.37	203.2	279.4	311.15	243.28	298.45

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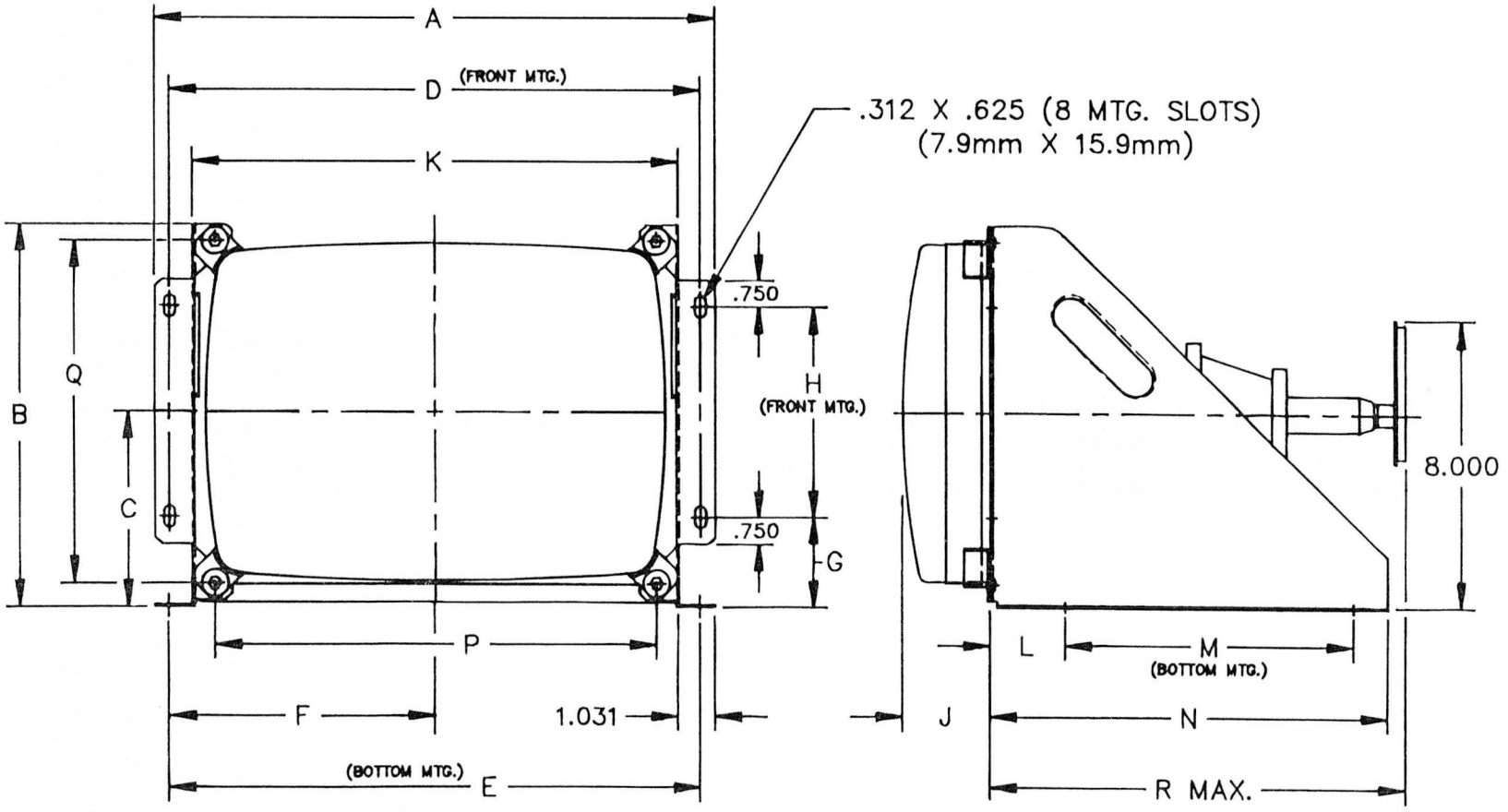

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K7200 STANDARD RES

K7200
PRODUCT SPECIFICATIONS

SPECIFICATIONS
- CRT size (diagonal measure): **13", 17"FS, 19"**
- Phosphor type: P22
- CRT etch: Polished faceplate; other faceplates available
- Striped trio spacing: 0.42mm & 0.63mm (13"), 0.42mm & 0.59mm (17" FS), 0.71mm (19")

INPUT SIGNALS
- Input connector: 0.156 center headers
- Video type: RGB analog
- Video input impedance: 4.7K Ohm; other values available
- Video level: 1 to 5 volts peak-to-peak; other levels optional
- Sync type: TTL sync; separate or composite, negative or positive
- Sync input impedance: 20K Ohm for positive, 12K Ohm for negative
- Horizontal sync frequency: 15.75 KHz
- Vertical sync frequency: 47 to 63 Hz

LIGHT OUTPUT
40 fL typical

GEOMETRY
- Horizontal linearity: +/-5% max.
- Vertical linearity: +/-5% max.
- Picture size regulation: 2% max.
- Geometric distortion: +/-2% max.

POWER INPUT
- Input voltage: 90 - 264 VAC, 50 - 60 Hz; no isolation transformer required
- Maximum power: 70 Watts (19")

USER CONTROLS
- Remote controls: Brightness, contrast, horizontal centering, vertical size, vertical centering, vertical hold
- Internal controls: Horizontal hold, horizontal size, focus

MECHANICAL
See additional pages

MISCELLANEOUS
- Operating temperature: 0° to 55°C
- Agency compliance: U.L., C.S.A., D.H.H.S. radiation performance std., TUV.

RESOLUTION
- Graphics modes: 640 X 200 (may be limited by the CRT)
- Video bandwidth: 12 MHz typical

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Wells Gardner Electronics Corporation

13V Color Monitor 13–M1 *(F13HM1)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
IN.	12.260	6.130	10.673	5.334	.547	9.575	12.980	2.450	10.860	4.300	5.500	1.550	7.500	13.775	8.000
mm.	311.40	155.70	271.10	135.50	13.89	243.20	329.70	62.23	275.84	109.22	139.70	39.37	190.50	350.00	203.20

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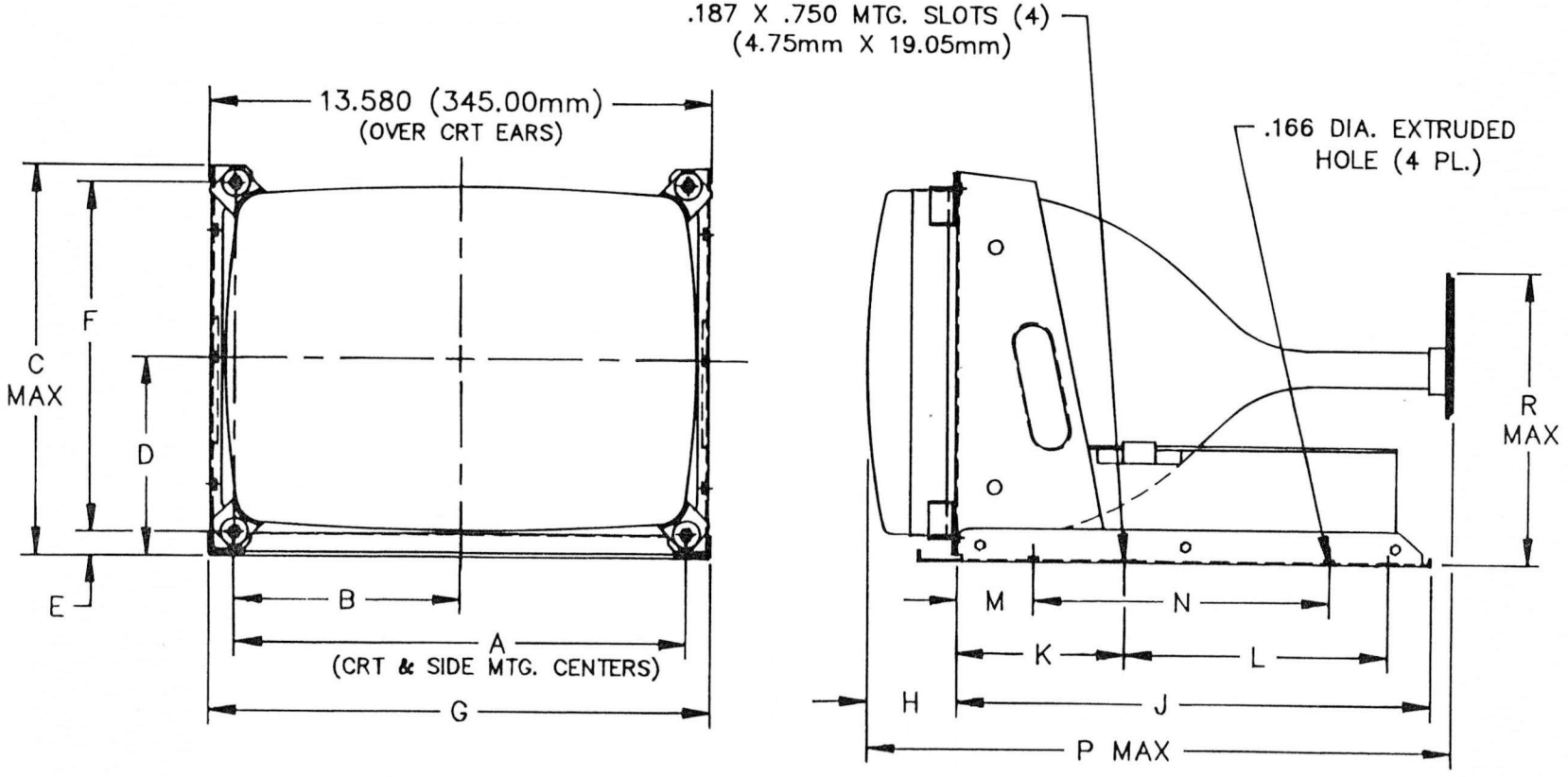

Wells Gardner Electronics Corporation

17V Color Monitor 17–M2 *(F17HM2)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
IN.	15.375	13.500	12.437	6.312	14.125	7.062	12.875	.562	2.236	9.500	2.957	7.250	11.375	14.450	11.500	13.776	.968	10.625	14.496	2.438	13.375	7.125	2.750	16.620
mm.	390.53	342.90	315.90	160.33	358.78	179.38	327.03	14.27	56.80	241.30	75.11	184.15	288.93	367.03	292.10	349.91	24.59	269.88	368.20	61.93	339.73	180.98	69.85	422.15

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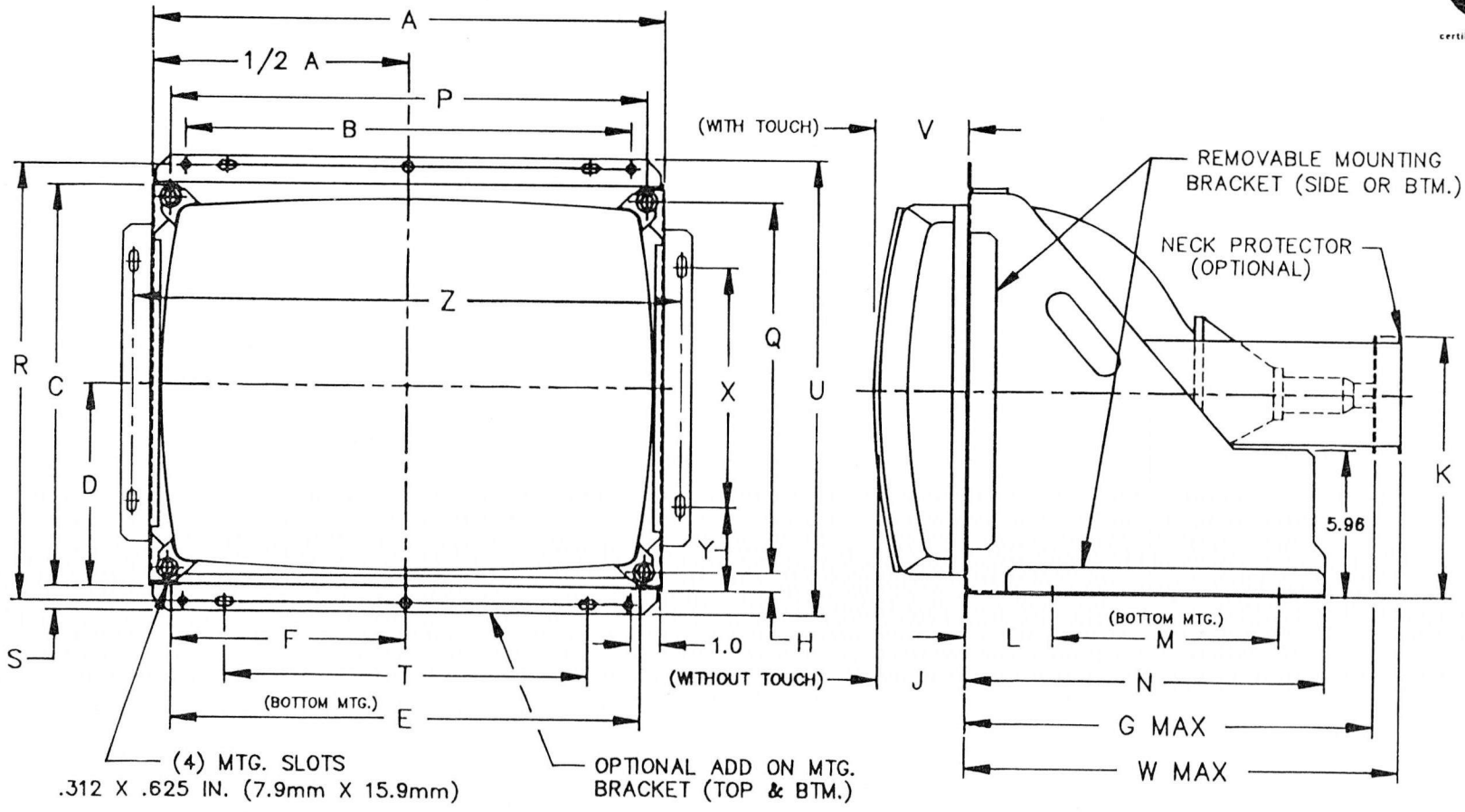

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33V Color Monitor 33–U0 *(F33M)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
IN.	28.274	25.281	27.104	21.344	24.031	24.031	5.268	13.736	22.601	23.406	4.108	2.075	16.700	3.625	11.437	3.880
mm.	718.16	642.14	688.44	542.14	610.39	610.36	133.81	348.89	574.07	594.51	104.34	52.781	424.18	92.075	290.50	98.552

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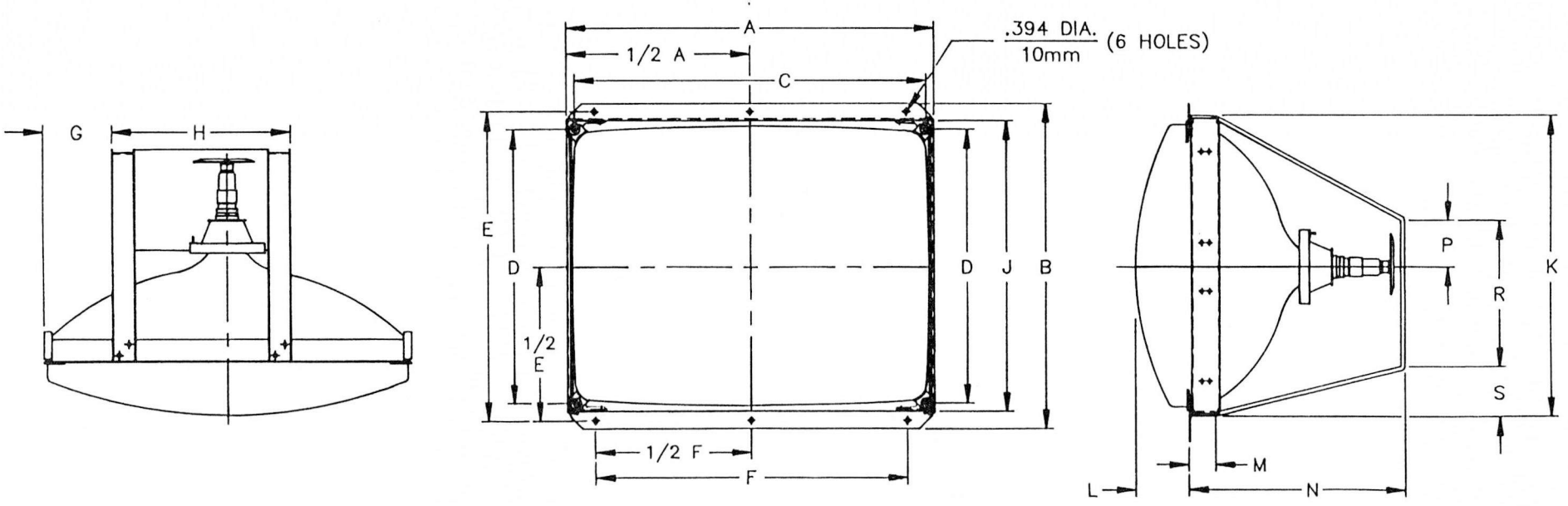

Wells Gardner Electronics Corporation

25V Color Monitor 25–U4 *(F25M4)*

DIM.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
IN.	20.630	19.291	19.291	23.000	16.125	3.590	7.375	10.125	1.750	12.000	3.140	3.250	2.562	.343
mm.	524.0	490.0	490.0	584.2	409.58	91.19	187.33	257.18	44.45	304.8	79.76	82.55	65.07	8.71

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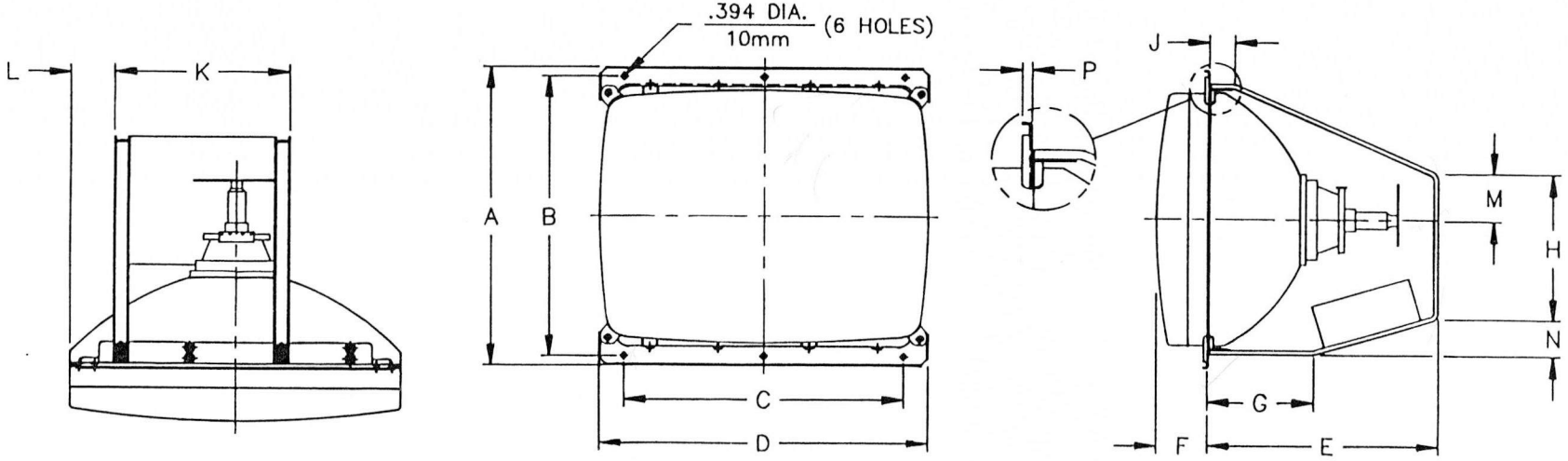
409.58
91.19
500.77



WELLS-GARDNER
ELECTRONICS CORPORATION

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U5000
STANDARD RES/MID RES

U5000
PRODUCT SPECIFICATIONS

SPECIFICATIONS
- CRT size (diagonal measure): **25", 27", 33"**
- Phosphor type: P22
- CRT etch: Polished faceplate; other faceplates available
- Striped trio spacing: 0.84 mm (25" and 27"), .89mm (33")

INPUT SIGNALS
- Input connector: 0.156 center header
- Video type: RGB analog
- Video input impedance: 1K Ohm; other values available
- Video level: 1.5 to 4 volts peak-to-peak; other levels optional
- Sync type: TTL sync; separate or composite, negative or positive
- Sync input impedance: 4.7 Ohms
- Horizontal sync frequency: 15.75 KHz or 25 KHz
- Vertical sync frequency: 47 to 63 Hz

LIGHT OUTPUT
40 fL typical

GEOMETRY
- Horizontal linearity: +/-5%
- Vertical linearity: +/-5%
- Picture size regulation: 2%
- Geometric distortion: +/-2% max

POWER INPUT
- Input voltage: 90 - 264 VAC, 50 - 70 Hz; no isolation transformer required
- Maximum power: 130 Watts

USER CONTROLS
- Remote controls: Brightness, contract, horizontal size, horizontal centering, horizontal frequency, vertical size, vertical centering, vertical frequency
- Internal controls: Focus

MECHANICAL
See additional pages

MISCELLANEOUS
- Operating temperature: 0 to 55 degrees C
- Agency compliance: U.L., C.S.A., D.H.H.S. radiation performance std., TUV

RESOLUTION
- Graphics modes: Standard Res - 640 X 200 (may be limited by the CRT)
  Mid Res - 640 X 400 (may be limited by the CRT)
- Video bandwidth: 15 MHz typical

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.